Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/16/2019 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125452	0	1.92	125544	1.94
Blue	F	SSC	125000	124405	-1	1.61	125175	1.58
Blue	E	FITC	16433	16211	-2	2.70	354	19.64
Blue	D	PE	27595	27299	-2	1.93	593	14.37
Blue	B	PerCP-Cy5-5	43183	43059	-1	3.60	1161	19.91
Blue	A	PE-Cy7	31943	31800	-1	5.93	614	39.07
Red	C	APC	42819	42244	-2	2.39	1494	12.03
Red	A	APC-Cy7	31261	30379	-3	2.32	811	11.62
Violet	B	V450	6527	6276	-4	4.50	351	13.68
Violet	A	V500	24533	23472	-5	4.31	546	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18088	10.14	610	10	N/A	N/A	Pass
Blue	F	SSC	56629	1.16	552	4	N/A	N/A	Pass
Blue	E	FITC	65	62.06	540	1	0.0207	115	Pass
Blue	D	PE	124	48.82	536	2	0.1753	280	Pass
Blue	B	PerCP-Cy5-5	215	49.07	646	4	0.0095	71	Pass
Blue	A	PE-Cy7	113	96.86	694	5	0.0118	14	Pass
Red	C	APC	356	25.21	581	-2	0.0249	164	Pass
Red	A	APC-Cy7	178	28.86	560	-3	0.0060	1409	Pass
Violet	B	V450	55	58.74	447	-8	0.0436	1732	Pass
Violet	A	V500	82	31.90	458	-9	0.0228	528	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.80	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.69	13.60 - 20.40	N/A	N/A	29.36	29.84	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10004

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments